

8.5 E - Investigate how evidence of Chemical reactions indicate that a new substance with different properties are formed.

Physical Change

vs.

Chemical Change -

still the same substance -

totally different

Change in size, shape,
or phase of matter -

substance is
formed with

different

eg - size & shape - chewing food
phase of matter

properties.

"Law" lab -

* production
of gas

* temperature
change -

Solid
freezing
water

liquid
melting
ice

gas
boiling
to form
vapor

all still H_2O , so
just a physical
change

p32 look out! Dissolving
does not provide evidence
of a chemical change.

Sugar dissolved in water
is physical, because if
we boil the solution,
the water will evaporate &
leave sugar behind.